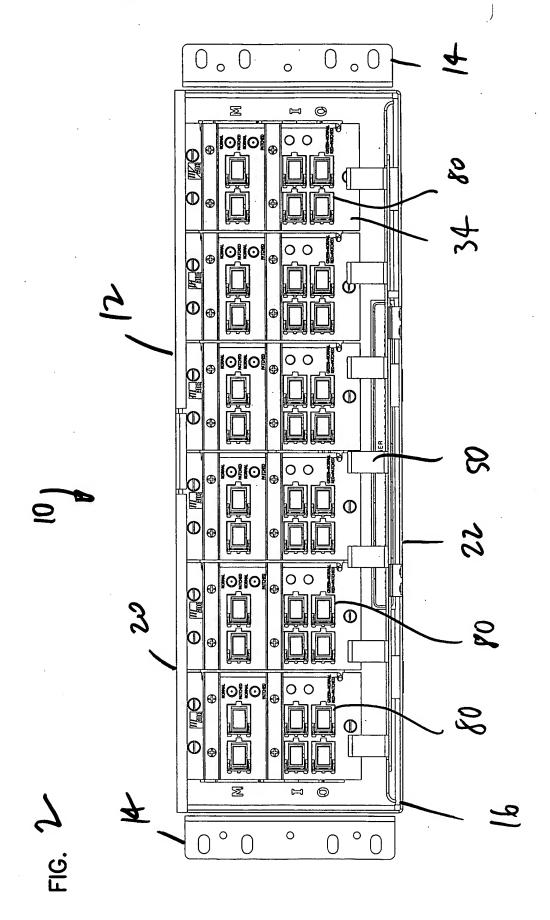
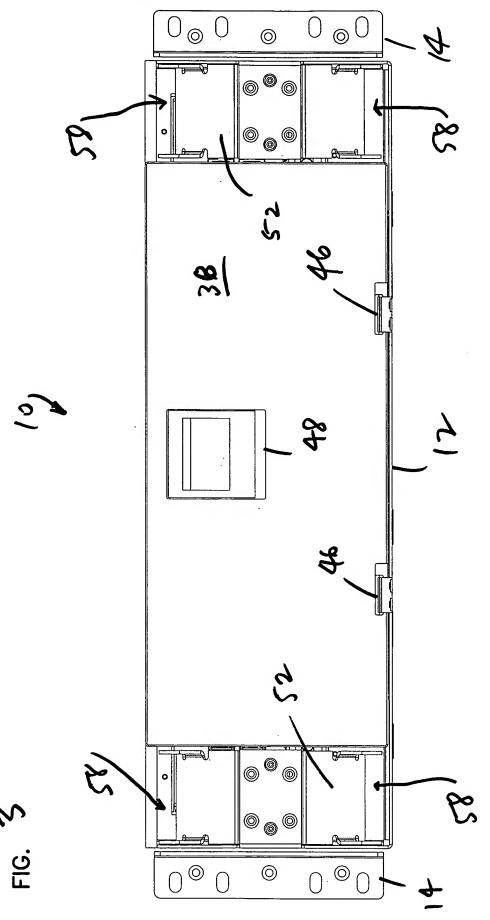
Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet I of 19 \mathbf{z} \mathbf{Z} Ξ

Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 2 of 19

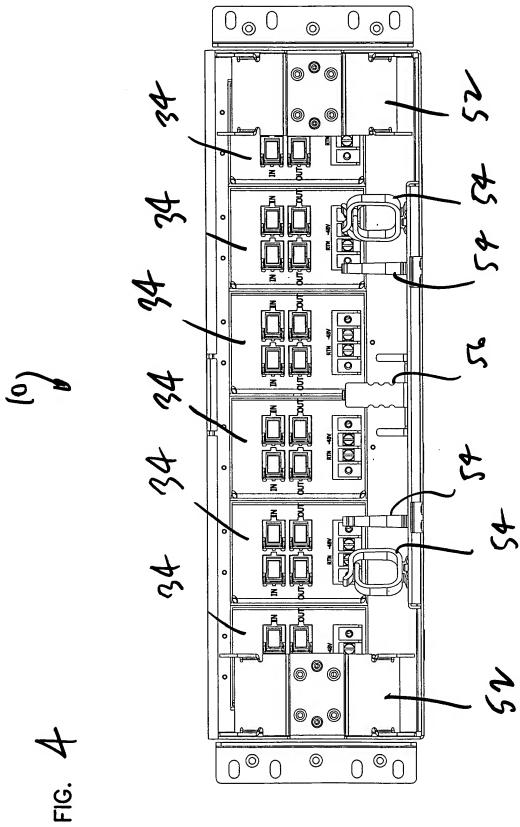


Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 3 of 19



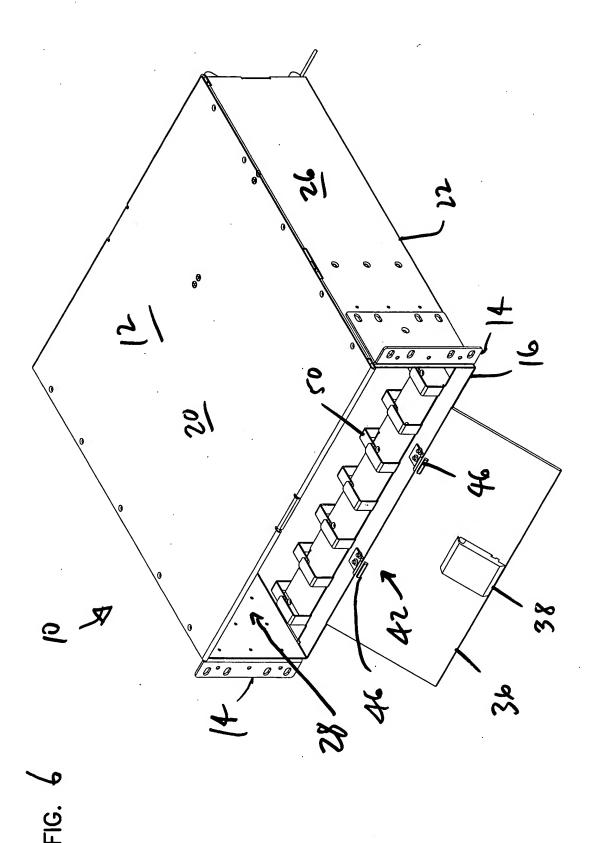
Inventor: HEGGESTAD ET AL. Docket No.: 2316.1828US01 Title: NORMAL THROUGH OPTICAL PANEL Attorney Name: STEVEN C. BRUESS

Phone No.: 612.332.5300 Sheet 4 of 19

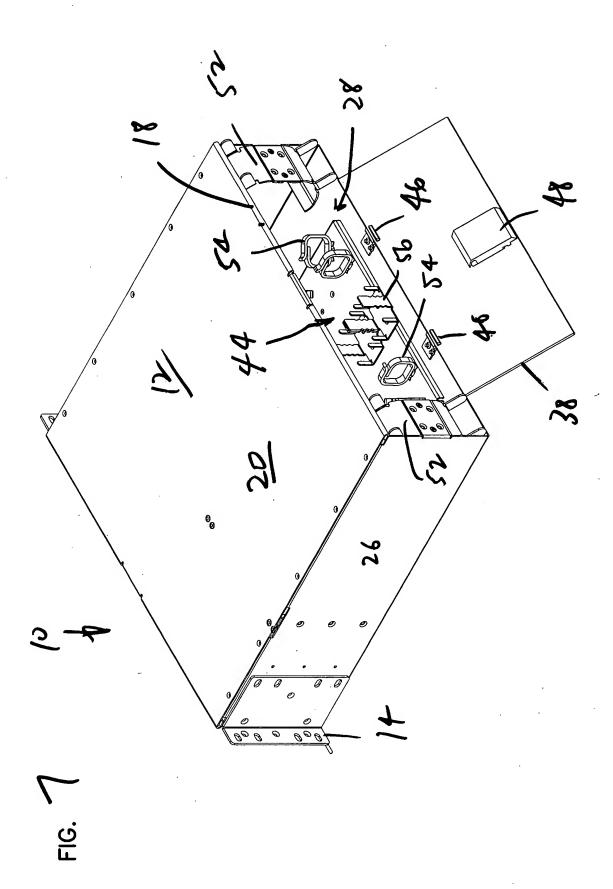


Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 5 of 19 \bigcirc

Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 6 of 19

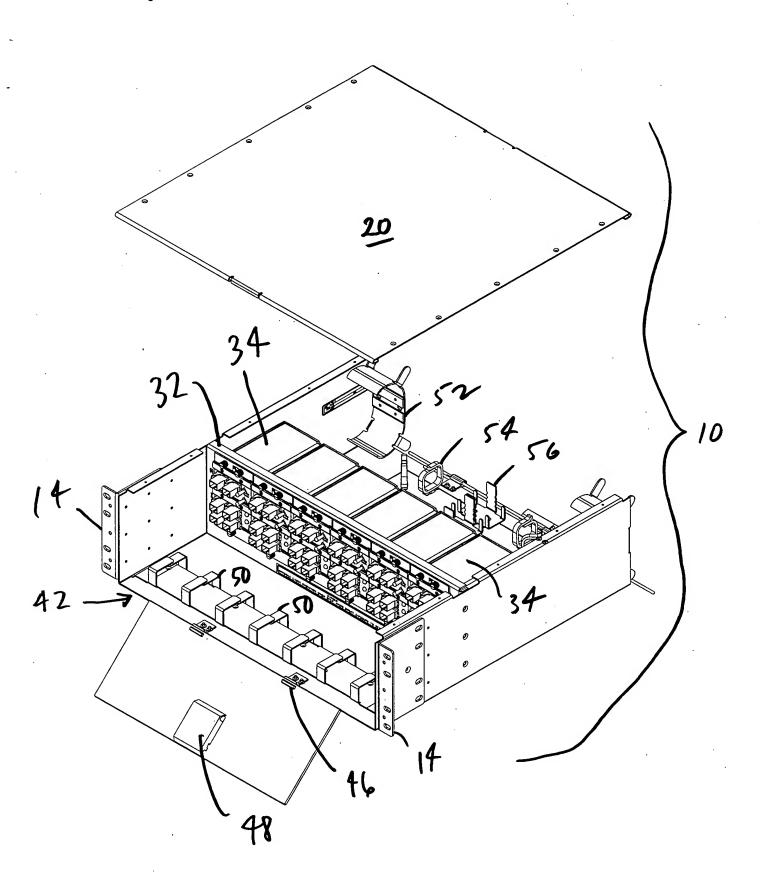


Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 7 of 19



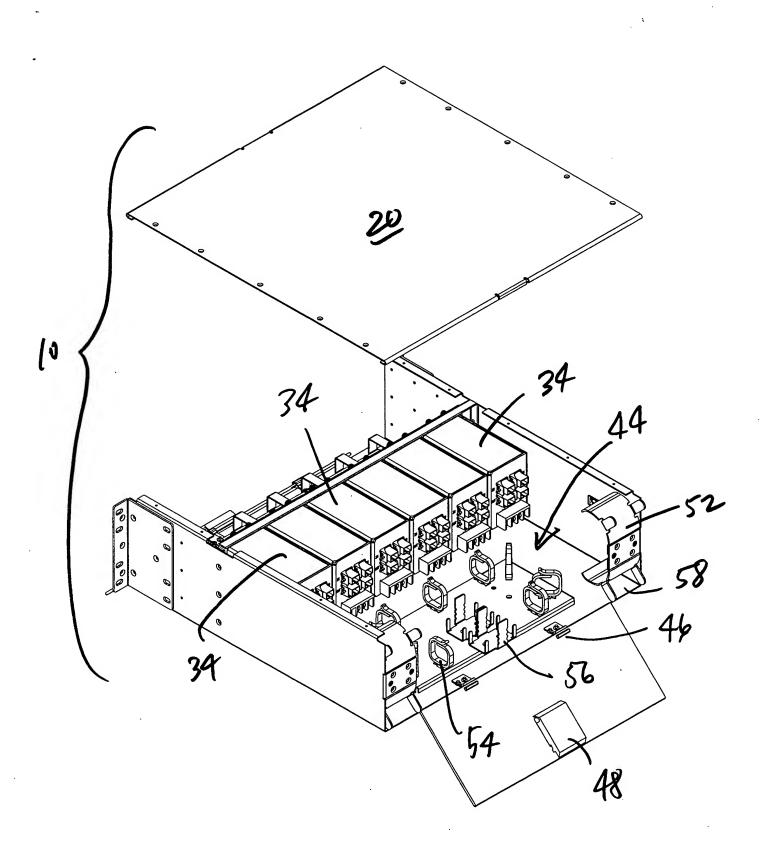
Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 8 of 19

FIG. 8

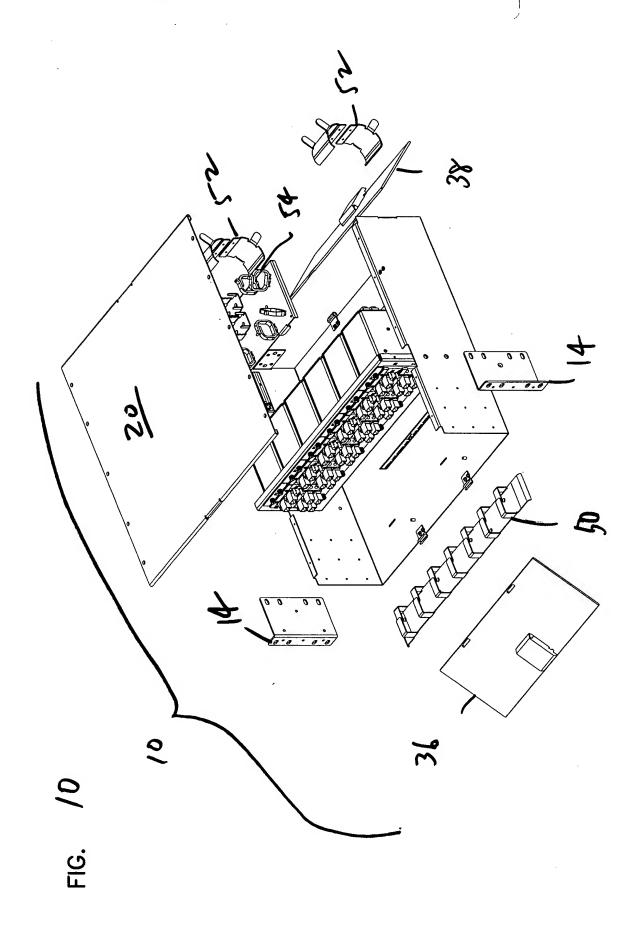


Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 9 of 19

FIG. 9



Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 10 of 19



Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 11 of 19

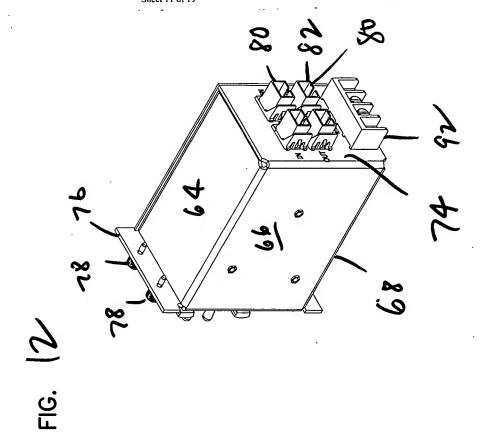
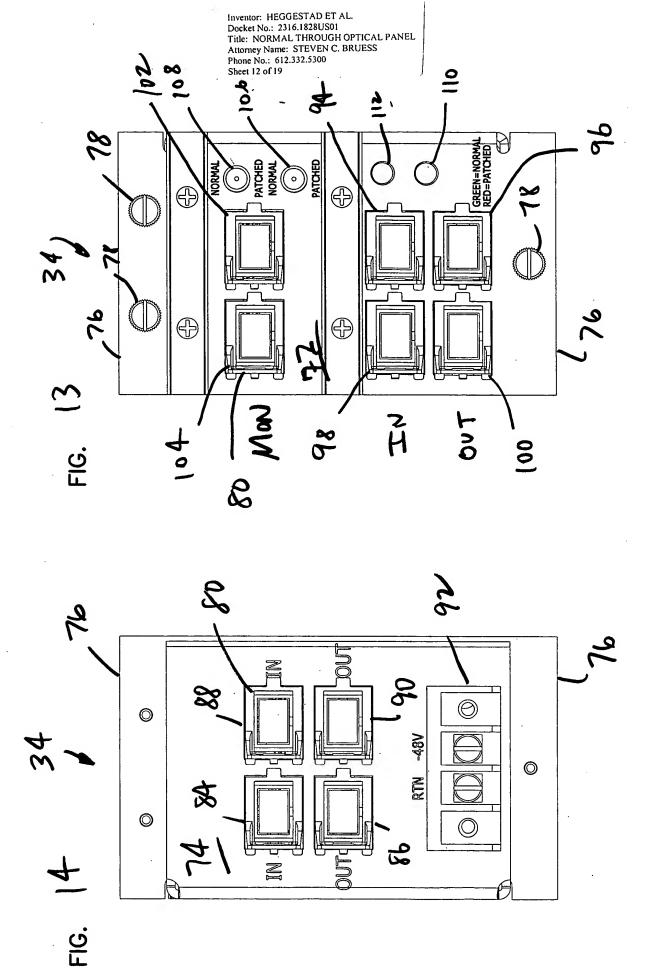
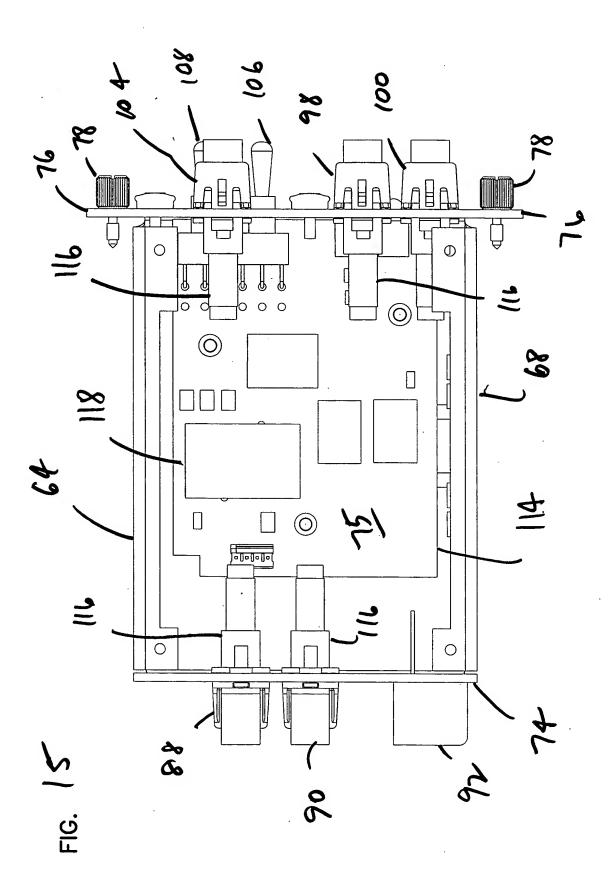


FIG.

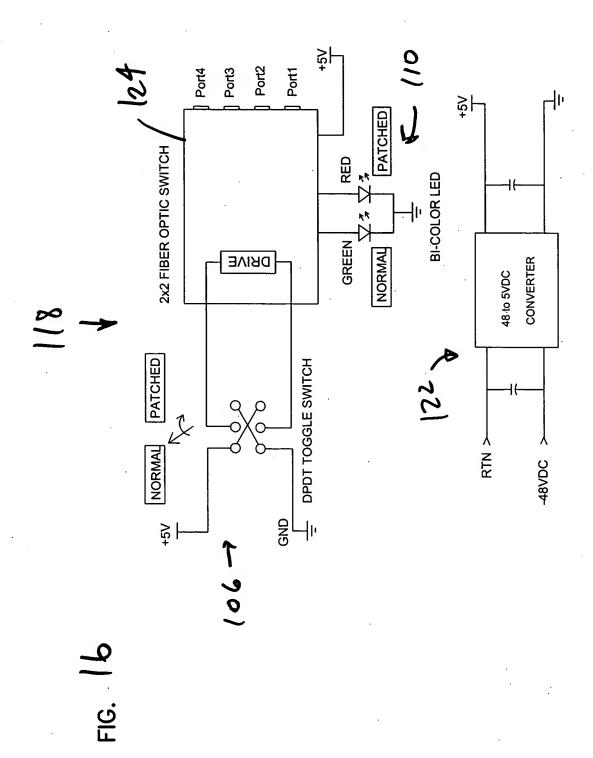


Inventor: HEGGESTAD ET AL. Docket No.: 2316.1828US01 Title: NORMAL THROUGH OPTICAL PANEL

Attorney Name: STEVEN C. BRUESS Phone No.: 612.332.5300 Sheet 13 of 19

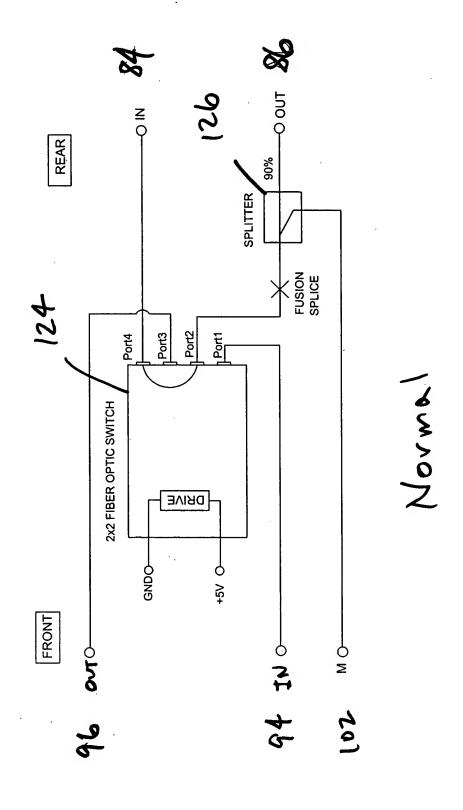


Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS .
Phone No.: 612.332.5300
Sheet 14 of 19

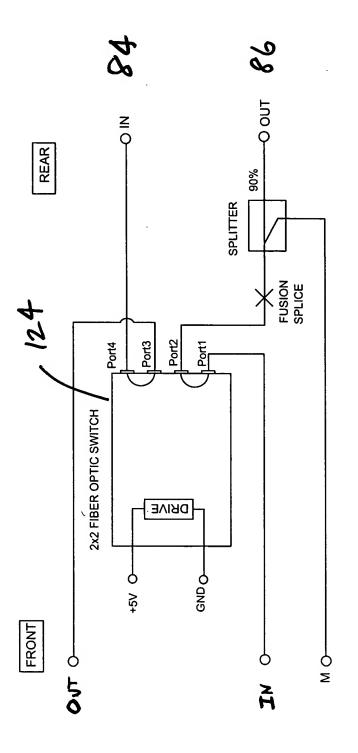


Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS

Phone No.: 612.332.5300 Sheet 15 of 19



Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 16 of 19



Patched

Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS Phone No.: 612.332.5300 Sheet 17 of 19 **Front of Module** Monitor Monitor Out Out П П Normal 90/10 Tap 90/10 Tap Switch F19. 19 **Back of Module** 1 Out 2 In 90 2 Out

Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 18 of 19 Monitor *(04* Out **96** Out 10% 90/10 Tap Switch 90/10 Tap

%06

2 Out

Monitor 107

Switch

%06

1 Out

2 In

200

In 94

Front of Module

Back of Module

Patched

F16, 20

Inventor: HEGGESTAD ET AL.
Docket No.: 2316.1828US01
Title: NORMAL THROUGH OPTICAL PANEL
Attorney Name: STEVEN C. BRUESS
Phone No.: 612.332.5300
Sheet 19 of 19

